

Memorandum

To : State of California
Regional Water Quality Control Board
3614 East Ashlan Avenue
Fresno, California 93726

Date: June 11, 1987

WATER DISPOSAL PROJECT
Kern River Field
Santa Margarita Zone
25/28S/27E, 30/28S/28E

From : Department of Conservation—
Division of Oil and Gas
4800 Stockdale Hwy., Suite 417
Place: Bakersfield, Ca. 93309

Attached is a summerization of an application from Texaco Producing Inc. to conduct a water disposal project in the Santa Margarita zone in Kern River field.

The operator proposes to drill 25-WD1 and "Orient" WD1 wells to inject oilfield produced water. Additional details are:

1. The top of the proposed injection zone ranges from \pm 1700 feet at the "Orient" WD1 to \pm 2000 feet at the 25-WD1. Thickness through this interval is from 500-600 feet. The lithology of this zone and the overlying formations are composed of alternating sands and shales. The base of the productive oil sands lies approximately 500 feet above the injection zone. The base of usable fresh water comforms with the base of the injection zone.
2. Injection water analysis is attached.
3. Zone water analysis is attached.
4. Well locations are attached.
5. There is a total of 225 wells within the two radii of influence. None of these wells penetrated the injection zone.
6. A current injection zone fluid analysis is to be submitted.

The proposed injection zone has been exempted by the EPA.

Please submit any comments you may have on this proposed project to this office. Your comments are due within 14 calendar days from the date of this letter.

Yours truly,


Randall L. Adams

Associate Oil and Gas Engineer

cc: EPA